



**99. Jahreskongress SGR
99^{ème} Congrès Annuel de la SSR**

**Offizieller Weiter- und Fortbildungskurs der SGR
Cours officiel de formation postgraduée
et continue de la SSR**

SGR
SSR

Time	Room A	Time	Room B	Time	Tagungszentrum
10:00–10:15	Welcome Address				
10:15–11:50	Joint Plenary Session: (SGR–SSR and SGNM–SSMN) Neuroendocrine Tumors Page 27				
12:00–13:00	Lunch Symposium: The Cutting Edge in Patient Safety: New Evidence and Clinical Impact Organized by GE Healthcare AG Page 29				
13:00–14:00					
		Break / Posters / Technical Exhibition			
14:00–15:15	Scientific Session: Joint SGR–SSR and SGNM–SSMN Page 29	14:00–15:15	Scientific Session: Abdominal Imaging Page 31	14:00–15:00	Hands-on Workshop: Successful Navigation in Femoro- Popliteal and BTK Interventions Organized by Abbott AG Page 33
15:15–15:45					
		Break / Posters / Technical Exhibition			
15:45–17:15	Scientific Session: Part A: Forensic Imaging Page 34	15:45–17:15	Scientific Session: Part A: Neuroradiology, Head and Neck Page 36	16:00–17:00	Hands-on Workshop: Innovation in Interventional Radiology Organized by Covidien (ev3) Page 39
	Scientific Session: Part B: Cardiovascular Imaging Page 35		Scientific Session: Part B: Chest and Breast Page 37		
17:30–18:15		Poster Walking Tour with Cocktails			

Uhrzeit / Heure

Prog.-Nr. / No du progr.

SGR
SSR**10:00– Welcome Address****10:15** D. Weishaupt, Zürich; G. K. von Schulthess, Zürich**Joint Plenary Session (SGR-SSR and SGNM-SSMN)****10:15– Neuroendocrine Tumors****11:50**

Moderators: H. Thoeny, Bern; G.K. von Schulthess, Zürich

10:15 Neuroendocrine Tumors – Setting the Stage:**PS101 A Theragnostics Paradigm***N. Schäfer, Zürich***10:35 Morphologic Imaging of Abdominal Endocrine Tumors (CT and MR)****PS102 R. Reznak, London (UK)****11:15 Interventional Treatment: A Marriage of Imaging and Therapy****PS103 Th. Pfammatter, Zürich****11:30 Theragnostics Revisited:****PS104 Linking Molecular Targeted Imaging and Radiotherapy***M. Walter, Bern*

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*The cutting edge in patient
safety: New evidence and
clinical impact*



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Zusammensetzung Wirkstoff: Iodixanolum. Hilfsstoffe: Trometamol, Natrii calcii edetas, Calcii chloridum, Natrii chloridum, Aqua ad injectabilia.

Indikationen /Anwendungsmöglichkeiten Erwachsene: Röntgenkontrastmittel für die Kardioangiographie, zerebrale Angiographie (konventionell und i. a. DSA), periphere Arteriographie (konventionell und i. a. DSA), Abdominalangiographie (i. a. DSA), Urographie, Venographie und zur Kontrastverstärkung bei Computertomographie (CT-Kopf, CT-Körper) und zur lumbalen, thorakalen und zervikalen Myelographie. Arthrographie, Hysterosalpingographie (HSG) und Untersuchungen des Gastrointestinaltraktes. Kinder: Kardioangiographie, intravenöse Anwendung zur Urographie, Kontrastverstärkung bei der Computertomographie (CT-Kopf, CT-Körper). Untersuchungen des Gastrointestinaltraktes (auch als Enema). **Dosierung/Anwendung** Die Dosierung kann je nach der Art der Untersuchung, dem Alter, Gewicht, dem Herzminutenvolumen und dem Allgemeinzustand des Patienten variieren. Das Präparat kann intraarteriell, intravenös, intrathekal und in Körperhöhlen appliziert werden. **Kontraindikationen** Schwerwiegende Überempfindlichkeits-Reaktionen nach Gaben von VISIPAQUE™ oder dessen Bestandteile in der Anamnese, manifeste Thyreotoxikose. **Warnhinweise und Vorsichtsmassnahmen** Generelle Vorsichtsmassnahmen beim Gebrauch nichtionischer Kontrastmittel: Bei bekannter Allergie, Asthma oder schwer behandelbaren Reaktionen gegen iodhaltige Kontrastmittel ist besondere Vorsicht geboten. **Interaktionen** Der Einsatz iodhaltiger Kontrastmittel kann eine vorübergehende Einschränkung der Nierenfunktion zur Folge haben. **Schwangerschaft/**

Stillzeit Die Unbedenklichkeit der Anwendung von VISIPAQUE™ während der Schwangerschaft ist bisher nicht in kontrollierten klinischen Studien erwiesen.

Unerwünschte Wirkungen Nach intravaskulärer Anwendung: Gelegentlich: Überempfindlichkeitsreaktionen, Übelkeit, Erbrechen, Hitzegefühl. Nach intrathekalen Anwendung: Gelegentlich: Kopfschmerz, Erbrechen. Nach Anwendung in Körperhöhlen: HSG: Sehr häufig: Schmerzen im unteren Abdomen, Vaginalblutungen. Häufig: Kopfschmerz, Übelkeit, Fieber. Arthrographie: Häufig: Schmerzen an der Injektionsstelle, Diarrhoe, Abdominalschmerzen. Gelegentlich: Überempfindlichkeitsreaktionen, Übelkeit. **Zulassungsnummer:** 52228 (Swissmedic). **Zulassungsinhaber:** GE Healthcare AG, Opfikon. **Stand der Information:** März 2008. Ausführliche Informationen entnehmen Sie bitte dem Arzneimittel-Kompendium der Schweiz.

GE Healthcare AG, Europastrasse 31, 8152 Glattbrugg

Literatur

1. McCullough PA et al. Cardioreson Med 2011;1:220-34.
2. Davidson CJ et al. Circulation 2000;101:2172-7.
3. McCullough PA et al. BMC Medical Imaging 2011;11:12.

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03-2012 JB3260/OS SWISS GERMAN

12:00–
13:00**Lunch Symposium**

Organized by GE Healthcare AG



GE Healthcare

SGR
SSR

LS101

**The Cutting Edge in Patient Safety:
New Evidence and Clinical Impact**

Moderator: T. Roeren, Aarau

Contrast Media and Patient Safety: The Clinical Impact*P.A. McCullough, Warren (US)***Cardiac CT – The Evolving Role of CT in Acute Coronary Syndromes***S. Leschka, St. Gallen***Redefining the Rules of CT Imaging:****Iterative Reconstruction and Low Concentration Contrast Media***K.H. Nieboer, Brussels (BE)*13:00–
14:00

Break / Posters / Technical Exhibition

Scientific Session14:00–
15:15**Joint SGR–SSR and SGNM–SSMN**

Moderators: M. Wissmeyer, Genève; A. Boss, Zürich

SS101

**SPECT/CT and PET/CT imaging in clinical operations:
Variations among users worldwide***T. Beyer¹, J. Czernin², O. Israel³, H. Wieder⁴, L. Freudenberg⁴;**¹Zürich, ²Los Angeles (US), ³Haifa (IL), ⁴Grevenbroich (DE)*

SS102

**Performance of SPECT/CT, planar scintigraphy alone, CT alone
and orthopantomography in patients with suspected osteomyelitis
or osteonecrosis of the jaw***C. Bolouri; Luzern*

SGR
SSR

- SS103** **Coincidental findings in thoracic CT-scan aquired for attenuation correction in myocardial perfusion scintigraphy**
O. C. Maas, R. M. Benz, M. Zellweger, F. Forrer; Basel
- SS104** **Diffusion-weighted MRI and FDG PET/ CT in head and neck squamous cell carcinoma: Is there any correlation between SUV and ADC values?**
O. Rager, S. Patsoura, A. Ailianou, R. Kohler, K. Masterson, O. Ratib, M. Becker; Genève
- SS105** **Sequential integrated PET/CT-MR system: Comparison of image registration accuracy of PET/CT versus PET/MR**
F. Kuhn¹, A. Samarin², G. K. von Schulthess¹, D. T. Schmid¹; ¹Zürich, ²Tallinn (EE)
- SS106** **PET-MRI hybrid brain imaging: Clinical applications**
V. Garibotto¹, S. Heinzer², S. Vulliemoz¹, S. Haller¹, F. Grouiller¹, M. Seeck¹, H. Zaidi¹, K. Loevblad¹, M. Wissmeyer¹, O. Ratib¹, M.-I. Vargas¹; ¹Genève, ²Zürich
- SS107** **A combined 3 Tesla PET-MRI scanner improves prostate cancer detection**
T. de Perrot, M. Lord, O. Rager, M. Pusztaszeri, S. Heinzer, L. Koehl, A. Figueiral, C. Iselin, M.-F. Pelt, O. Ratib, J.-P. Vallee; Genève
- SS108** **Hybrid PET/MRI in the assessment of cardiac viability: Added value compared to PET/CT**
R. Nkoulou¹, S. Heinzer¹, D. Carballo¹, G. M. Vincenti¹, A. Quercioli¹, M. Stuber², D. Didier¹, T. H. Schindler¹, O. Ratib¹, J.-P. Vallee¹; ¹Genève, ²Lausanne
- SS109** **Feasibility of simultaneous PET-MR imaging in breast cancers**
C. Tabouret-Viaud, P. Loubeyre, R. Guignard, V. Garibotto, M. Viallon, S. Heinzer, O. Ratib, M. Lord; Genève

15:15–
15:45

Break / Posters / Technical Exhibition

Scientific Session

14:00–
15:15

Abdominal Imaging

Moderators: H. Hoppe, Bern; S. Terraz, Genève

- SS110** **Low kVp contrast-enhanced CT: Can imaging closer to the k-edge of iodine allow for a reduction in contrast media?**
D. B. Husarik¹, D. Marin², R. C. Nelson²; ¹Zürich, ²Durham (US)
- SS111** **Emergency CT in patients with renal insufficiency: Is high-dose i.v. N-Acetylcysteine effective to prevent nephrotoxicity?**
P.-A. Poletti, A. Platon, S. de Seigneux, P. Saudan, P. Y. Martin, C. Becker; Genève
- SS112** **Serum creatinine measurements: Evaluation of a questionnaire according to the ESUR guidelines. Final results**
C. Newerla, S. Potthast, G. Bongartz, J. Hohmann; Basel
- SS113** **Deep spatial analysis of renal ASL perfusion data in mild chronic kidney disease**
C. Rossi¹, F. Artunc², P. Martirosian², H.-P. Schlemmer³, F. Schick², A. Boss¹; ¹Zürich, ²Tübingen (DE), ³Heidelberg (DE)
- SS114** **Diffusion – Weighted MRI in renal allografts: Is it helpful in daily clinical routine?**
P. Steiger¹, M. Ith¹, A. Kruse¹, M. Gugger¹, J. M. Froehlich², D. Chong¹, H. Thoeny¹; ¹Bern, ²Zürich
- SS115** **Differentiation of low and high gleason scores in prostate tumours using diffusion weighted MRI: Monoexponential and biexponential model estimates of the apparent diffusion coefficient (ADC)**
L. Bains, D. Chong, M. Ith, M. Triantafyllou, J. Froehlich, A. Fleischmann, H. Thoeny; Bern
- SS116** **Diagnostic accuracy of DW-MRI in comparison to histopathology for detection of lymph nodes metastases in normal sized lymph-nodes in patients with bladder or prostate cancer**
J. Froehlich¹, M. Triantafyllou², G. Petralia², D. Chong², P. Vermathen², F. Birkhäuser², A. Fleischmann², U. E. Studer², H. Thoeny²; ¹Zollikon, ²Bern

SGR
SSR

SS117

**Software-supported evaluation of small-bowel motility in MRI:
Precision and speed**

S. Bickelhaupt¹, J. M. Froehlich¹, R. Cattin², S. Raible², H. Bouquet³, U. Bill³,
F. Merz³, M. A. Patak¹; ¹Zürich, ²Biel, ³Bern

SS118

**MR motility measurement for the evaluation of Crohn's disease
activity compared to biopsy**

M. A. Patak¹, J. Cullmann², Z. Szucs-Farkas³, N. Patuto², R. Tutuian²,
S. Raible², J. M. Froehlich¹; ¹Zürich, ²Bern, ³Biel

15:15–
15:45

Break / Posters / Technical Exhibition

14:00–
15:00

Hands-on Workshop

Organized by Abbott AG



SGR
SSR

HW101

Successful Navigation in Femoro-Popliteal and BTK Interventions

Speaker: S. Qanadli, Lausanne

Guide Wire Selection Adapted to Lesion Morphology

Understand Guide Wire Technology

Guide Wire Hands on Testing on Flow Methods

SGR
SSR

Scientific Session

15:45–
17:15

Part A: Forensic Imaging*

Moderator: M. Thali, Zürich

SS119

Keynote Lecture: Forensic Imaging – New Insights*M. Thali, Zürich*

SS120

The influence of body temperature on image contrast in post-mortem MR*T. D. Ruder¹, G. M. Hatch², L. Siegenthaler², G. Ampanozi¹, S. Mathier², M. Thali¹, O. Weber³; ¹Zürich, ²Bern, ³Basel*

SS121

Identifying a myocardial infarct in forensic imaging by means of MTR-mapping*H. J. A. Crooijmans¹, T. D. Ruder², S. Mathier³, C. A. Schön³, W.-D. Zech³, S. Bolliger³, M. Thali², O. Bieri¹; ¹Basel, ²Zürich, ³Bern*

SS122

Visualization of myocardial infarction in post-mortem CT-angiography – A feasibility study*S. de Froidmont, K. Michaud, F. Doenz, P. Mangin, S. Grabherr; Lausanne*

SS123

Investigation of sharp trauma by post-mortem multi-phase CT-angiography*J.-B. Zerlauth, F. Doenz, S. de Froidmont, S. Binaghi, R. Meuli, S. Grabherr; Lausanne*

SS124

Is abdominal plain film still adapted for the screening of illegal intra-corporeal containers ("body-packing")?**A comparative study with low-dose CT***A. Platon, P.-A. Poletti, E. Lock, C. Becker; Genève*

* Note: This Scientific Session continues without a break between Part A and Part B.

Scientific Session

SGR
SSR15:45–
17:15**Part B: Cardiovascular Imaging**

Moderator: R. Wytttenbach, Bellinzona

SS125

Intra-individual assessment of normal myocardial T1 time and the extracellular volume fraction (ECV) for Gd-DTPA and Gd-BOPTA by means of T1 mapping
N. Kawel, M. Nacif, A. Zavodni, J. Jones, S. Liu, C. Sibley, D. Bluemke;
 Bethesda (US)

SS126

Comparison of cardiac CT and echocardiography for transcatheter aorte-valve implantation and device selection
V. Dunet, D. Locca, F. Tobalem, E. Ferrari, P. Monney, R. A. Meuli,
 S. D. Qanadli; Lausanne

SS127

Multi-phase cardiac computed tomography for detection of left atrial appendage thrombi
G. D. Puippe, M. Jaguszewski, C. Manes, S. Salzberg, T. Frauenfelder,
 U. Landmesser, H. Alkadhi; Zürich

SS128

ECG triggered nonenhanced MRA of the upper extremity: Initial experience
M. Rasmus¹, G. Bongartz¹, S. Kos², S. Forte¹, M. Aschwanden¹, D. Bilecen³;
¹Basel, ²Binningen, ³Laufen

SS129

Outcome of tunneled hemodialysis catheter placed in an angiographic suite
S. Abderhalden, T. Maeder, M. Glenck, S. Segerer, T. Pfammatter;
 Zürich

SGR
SSR

Scientific Session

15:45–
17:15

Part A: Neuroradiology, Head and Neck*

Moderator: S. Wetzel, Zürich

SS130

Assessment of intra-cranial bleeding and the extent of ischemic stroke with dual-energy unenhanced CT in post-thrombectomy patients

J. Caetano, V. Cuvinciuc, V. M. Pereira, I. Momjian-Mayor, A. M. Korchi, K. Loevblad, M.-I. Vargas; Genève

SS131

Individual detection of Parkinson disease patients using support vector machine analysis of susceptibility weighted imaging (SWI)

I. Barnaure¹, S. Badoud¹, D. Nguyen², M.-L. Montandon¹, K. Loevblad¹, P. R. Burkhard¹, S. Haller³; ¹Genève, ²Carouge, ³Commugny

SS132

Diagnostic performance of MRI with diffusion weighted images for the detection of recurrent squamous cell carcinoma after radio(chemo)therapy

A. Ailianou, S. Patsoura, P. Dulguerov, R. Kohler, M. Becker; Genève

SS133

Detection of recurrent or residual tumor after (chemo) radiotherapy for laryngeal and hypopharyngeal cancers: Does diffusion weighted MRI help?

D. W. Tshering Vogel, P. Zbären, A. C. Geretschlaeger, H. Thoeny; Bern

SS134

CT angiography of the external carotid artery branches in the neck: Sufficient resolution to plan microvascular flap reconstruction procedures?

R. Kohler, K. Masterson, J. Schaepekens van Rimpst, A. Terzic, P. Dulguerov, M. Becker; Genève

SS135

Laryngeal fractures and related complications: MDCT findings in the acute emergency setting

P.-O. Duboe¹, A. Platon², R. Kohler², P. Dulguerov², P.-A. Poletti², M. Becker²; ¹Poitiers (FR), ²Genève

* Note: This Scientific Session continues without a break between Part A and Part B.

Scientific Session

15:45–
17:15

Part B: Chest and Breast

Moderator: T. Roeren, Aarau

- SS136** **Computed tomography for pulmonary embolism: Scan assessment of a one-year cohort and estimated cancer risk associated with diagnostic irradiation**
T. Niemann¹, I. Zbinden¹, H.-W. Roser¹, J. Bremerich¹, M. Rémy-Jardin², G. Bongartz¹; ¹Basel, ²Lille Cedex (FR)
- SS137** **Pulmonary CT with the radiation dose of a chest x-ray: Wish or reality?**
A. Neroladaki¹, D. Botsikas², S. Boudabbous¹, C. Becker¹, X. Montet³; ¹Genève, ²Versoir, ³Puplinge
- SS138** **MRI of the lung: Comparison of an ultra short echotime sequence (UTE) with a zero echo time sequence (ZTE)**
N. Chuck, W. Jungraithmayr, G. D. Puippe, S. Pazahr, D. Nanz, A. Boss; Zürich
- SS139** **Mammography image quality in Switzerland**
N. Richli Meystre, J.-L. Bulliard; Lausanne
- SS140** **Phase contrast enhanced mammography: A new diagnostic tool for breast imaging**
M. Stampanoni¹, Z. Wang², M. Trippel³, R. Kubik-Huch³, G. Singer³, E. Roessl⁴, U. Stevendaal⁴, T. Köhler⁴, N. Wieberneit⁴, I. Schulze-Wenck⁴, T. Thuring², C. David², M. Hohl³, N. Hauser³; ¹Zürich, ²Villigen, ³Baden, ⁴Hamburg (DE)

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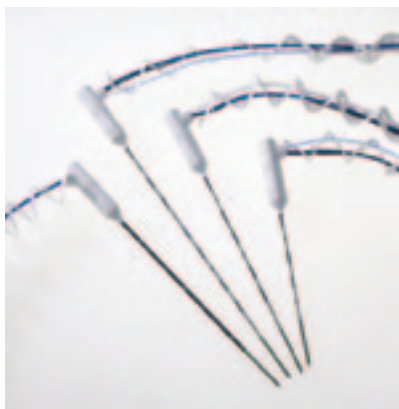
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TurboHawk™ Peripheral Plaque Excision System

Hands-on-Workshop Thursday 31st May
16.00 - 16.30 Catheter-Atherectomy
with Silverhawk and Turbohawk
Current and Potential Indications
Dr. Hans Martin Gißler



Evident™ MW Ablation System Antennas

Hands-on-Workshop Thursday 31st May
16.30 - 17.00 Interventional Oncology:
Microwave Ablation. Technique,
Indications and Results for Liver and Lung
Tumors
Univ.-Prof. Dr. med. Thomas J. Vogl

16:00–
17:00

Hands-on Workshop

Organized by Covidien (ev3)

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SGR
SSR

HW102

Innovation in Interventional Radiology

**Catheter-Atherectomy with Silverhawk and Turbohawk –
Current and Potential Indications**

H. M. Gissler, Bad Säckingen (DE)

**Interventional Oncology: Microwave Ablation. Technique,
Indications and Results for Liver and Lung Tumors**

T.J. Vogl, Frankfurt am Main (DE)

17:30–
18:15
PW101

Poster Walking Tour with Cocktails

Moderator: S. Schmidt, Lausanne

Medicor

Time	Room A	Time	Room B	Time	Tagungszentrum
08:15–09:45	Scientific Session: Abdominal Imaging and Interventions Page 43	08:15–09:45	Scientific Session: Musculoskeletal Imaging Page 45	08:00–09:00	Hands-on Workshop: Ultra-Fast Doppler: The Fusion between Color Doppler and Pulsed Wave Doppler at High Frequency Rates (300 Hz) Organized by Nova-Logic SA Page 41
09:45–10:15	Break / Posters / Technical Exhibition			09:15–10:15	Hands-on Workshop: Drug Eluting Balloon – From Bench to Bedside Organized by Bayer (Schweiz) AG Page 47
10:15–11:50	Plenary Session: Imaging and Intervention in Acute Stroke Page 48	10:30–11:45	Scientific Session: Pediatric Radiology Page 49		
12:00–13:00	Lunch Symposium: Gadolinium Safety Update Organized by Bracco Suisse SA Page 51				
13:00–13:30	Break / Posters / Technical Exhibition				
13:30–14:35	Plenary Session: Dignitaries and Awards Page 51				
14:35–15:00	Plenary Session: H.R. Schinz Lecture Page 52				
15:00–15:30	Break / Posters / Technical Exhibition				
15:30–17:00	Standespolitik / Défi Professionnel: Joint Session SGR-SSR / SGNM-SSMN Kooperationen und Ärztenetzwerke aus Sicht der Radiologie und Nuklear- medizin: Chance oder Bedrohung? Page 53				
17:15–18:30	Mitglieder-Jahresversammlung SGR Assemblée annuelle SSR Page 53				
19:30–23:00	Society Evening			Page 22	

Uhrzeit / Heure

Prog.-Nr. / No du progr.

SGR
SSR08:00–
09:00**Hands-on Workshop**

Organized by Nova-Logic SA



HW201

Ultra-Fast Doppler: The Fusion between Color Doppler and Pulsed Wave Doppler at High Frequency Rates (300 Hz)*Speaker: M. Tanter, Paris (FR)***Ultra-Fast Doppler****Ultra-Fast Frame Rates (300 Hz)****Complete Spectral Doppler Analysis in Seconds**

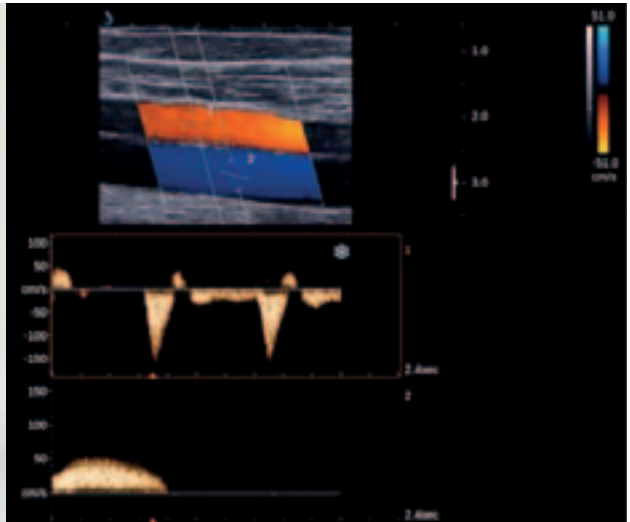
INVITATION

Nova-Logic SA

SUPERSONIC
imaging

to the Workshop 01/06/2012 : 8-9am

Revolution in Doppler Routine Practice : Ultra Fast Doppler
How to combine in one single image and one Cardiac cycle the Color Doppler and the Pulsed wave Doppler at High Frequency Rate



PROGRAMM :

Reading : Mickaël Tanter – Institut Langevin – Paris
Hands-On : Ultra-Fast Doppler on Aixplorer – Premium Ultrasound System from SuperSonic – Aix-en- Provence

DESCRIPTION :

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Scientific Session

SGR
SSR08:15–
09:45**Abdominal Imaging and Interventions**

Moderators: E. Merkle, Basel; J. Kettenbach, Bern

SS201

Radiation dose reduction in abdominal CT using a model-based iterative reconstruction algorithm: How low can we go?*D. B. Husarik¹, D. Marin², S. Richard², E. Samei², R. C. Nelson²;**¹Zürich, ²Durham (US)*

SS202

Assessment of segment specific flip angle distribution in multi-transmit 3.0 Tesla liver imaging: Effects on contrast weighting in standard imaging*S. Pazahr¹, M. A. Fischer¹, N. Chuck¹, R. Luechinger¹, F. Schick², D. Nanz¹,**A. Boss¹; ¹Zürich, ²Tübingen (DE)*

SS203

MRI of the liver: Parenchymal apparent diffusion coefficients (ADC) do not respond to caloric intake – despite increased portal-venous blood flow*S. Pazahr¹, D. Nanz¹, F. Schick², A. Boss¹, N. Chuck¹; ¹Zürich, ²Tübingen (DE)*

SS204

Quantification of fat in the liver by MRI*I. Zbinden¹, X. Deligianni¹, C. Bernsmeier¹, O. Bieri¹, G. Bongartz¹, U. Zingg²,**S. Potthast²; ¹Basel, ²Schlieren*

SS205

Can contrast-enhanced MRI differentiate malignant from benign hepatocellular tumour in the non-cirrhotic liver*M. Fischer, D. Raptis, O. F. Donati, S. Breitenstein, P.-A. Clavien, H. Alkadhi,**M. A. Patak; Zürich*

SS206

Hepatobiliary-specific MR contrast agents: Is there added value of T1-weighted MR cholangiography in the assessment of biliary ductal obstruction?*C. S. Reiner¹, R. T. Gupta², M. R. Bashir², N. L. Walle², H. K. Nazeer²,**E. Merkle²; ¹Zürich, ²Durham (US)*

SGR
SSR

- SS207** **Feasibility of hepatocyte damage quantification using gadoxetate enhanced MRI after intraoperative coagulation of the liver resection area**
S. Bickelhaupt¹, C. Kim-Fuchs², P. Studer², J. M. Froehlich¹, M. A. Patak¹;
¹Zürich, ²Bern
- SS208** **Is liver volume after portal vein embolisation worth more? A case-control study**
S. Terraz, R. Meier, R. Breguet, G. Mentha, P. E. Majno, C. Becker;
Genève
- SS209** **Refinements of preoperative portal vein embolisation using ethylene-vinyl alcohol copolymer: A pilot study**
S. Boudabbous, R. Breguet, C. Toso, G. Mentha, C. Becker, S. Terraz;
Genève
- SS210** **Transcatheter arterial embolisation of autologous bone marrow stem cells versus standard of care in patients with decompensated alcoholic liver disease: Results of a randomised clinical trial**
R. Breguet, L. Spahr, Y. Chalandon, L. Rubbia-Brandt, C. Becker, S. Terraz;
Genève
- SS211** **Percutaneous contrast-enhanced ultrasound-guided biopsy of focal liver lesions inconspicuous on B-mode ultrasound: A case series of 33 patients**
M. Cerny, F. Becce, M. E. Kamel, R. Meuli, J.-Y. Meuwly; Lausanne

09:45– Break / Posters / Technical Exhibition
 10:15

Scientific Session

SGR
SSR08:15–
09:45

Musculoskeletal Imaging

Moderators: M. Zanetti, Zürich; F. Becce, Lausanne

SS212

Is the alpha-angle able to discriminate between symptomatic patients with femoroacetabular impingement (FAI) and asymptomatic volunteers?

R. Sutter, T. Dietrich, P. O. Zingg, C.W.A. Pfirrmann; Zürich

SS213

Study of degenerative changes of the hip on CT in a population of young adults considered as having normal hips

D. Tchernin, A. Syrogiannopoulou, D. Ardit, P.-A. Poletti; Genève

SS214

Screw-home mechanism and its influence on tibial tuberosity-trochlear groove (TTTG) distance: Measurement on MR examinations of the knee in asymptomatic volunteers in full extension, 15° flexion and 30° flexion

T. Dietrich, M. Betz, C.W.A. Pfirrmann, P. Koch, S. F. Fucentese; Zürich

SS215

Is it possible to identify a pathologic hindfoot alignment on non-weight-bearing coronal MR-images? An attempt using different measurement techniques

F. M. Buck¹, A. Hoffmann¹, N. Mamisch-Saupe¹, M. Farshad¹, N. N. Espinosa¹, D. Resnick², J. Hodler¹; ¹Zürich, ²San Diego (US)

SS216

Diagnostic performance of dual-energy computed tomography for the detection of traumatic bone marrow lesions in the ankle: Comparison with magnetic resonance

R. Guggenberger¹, R. Gnannt¹, J. Hodler¹, B. Krauss², G. Wanner¹, E. Csuka¹, B. Payne¹, T. Frauenfelder¹, G. Andreisek¹, H. Alkadhi¹; ¹Zürich, ²Forchheim (DE)

SS217

MRI relaxometry characterizes in vivo differentiation of muscle precursor cells

N. Chuck, F. Azzabi Zouraq, D. Eberli, A. Boss; Zürich

SGR
SSR

- SS218** **Quantitative MRI predicts remaining time until loss of free ambulation in patients with duchenne muscular dystrophy**
A. Fischmann, P. Hafner, T. Haas, M. Gloor, O. Bieri, M. Schmid, R. Gonzalez, T. Waltz, U. Pohlmann, C. Stippich, D. Fischer; Basel
- SS219** **Diffusion-weighted MR imaging of the spine at 3-T: Feasibility, optimization of b-value and utility to differentiate benign from pathological vertebral compression fractures**
G. Fetz, N. Theumann, C. Federau, D. Richarme, P. Hagmann, R. Meuli, F. Becce; Lausanne
- SS220** **MR imaging frequently changes classification of acute traumatic thoracolumbar spine injuries compared to initial CT examinations**
S. Winklhofer, M. Thekkumthala-Sommer, D. Schmidt, H. Alkadhi, G. Andreisek; Zürich
- SS221** **Multi-echo MRI for muscle-fat quantification in patients with low back pain – Comparison to spectroscopy**
M. Fischer, R. Guggenberger, D. Nanz, G. Andreisek; Zürich
- SS222** **Daily quality control protocol of dual x-ray absorptiometry (DXA) in clinical setting: Analysis of performances of the Swiss-QC centralized process**
C. Jegouic¹, C. Le Petit¹, D. Uebelhart², D. O. Slosman¹;
¹Genève, ²Glion-sur-Montreux

09:45– Break / Posters / Technical Exhibition
 10:15

09:15–
10:15**Hands-on Workshop**

Organized by Bayer (Schweiz) AG



Bayer HealthCare

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HW202

Drug Eluting Balloon – From Bench to Bedside**Preclinical and Clinical Results of Drug Eluting Balloon Technology
in Peripheral Intervention***H. Hoppe, Bern***Why Use a Drug Eluting Balloon? Cases and Practical Guidance***N. Diehm, Bern*

SGR
SSR**Plenary Session****10:15–
11:50****Imaging and Intervention in Acute Stroke**

Moderators: K. Loevblad, Genève; S. Kollias, Zürich

**10:15
PS201****What the Neurologist Expects from Radiologist in Acute Stroke**
*K. Nedeltchev, Aarau***10:45
PS202****CT vs. MRI in Acute Stroke: What to Use?**
*J. Fiebach, Berlin (DE)***11:15
PS203****New Interventional Treatment in Acute Stroke**
*V. Mendes-Pereira, Genève***11:45****Discussion**

Scientific Session

10:30–
11:45

Pediatric Radiology

Moderators: L. Alamo, Lausanne; G. Eich, Aarau

- SS223** **Osteogenesis imperfecta: Place of radiology in a multi-disciplinary diagnostic approach**
O. Berrebi, D. Ceroni, A. Bottani, S. Hanquinet; Genève
- SS224** **What place for whole body MRI in pediatric setting?**
A. M. Korchi, S. Hanquinet, M. Anooshiravani-Dumont, L. Merlini; Genève
- SS225** **Arterial spin labelling MRI for assessment of cerebral perfusion in children with moyamoya disease**
R. P. Götti, R. O'gorman, N. Khan, I. Scheer; Zürich
- SS226** **Efficacy of intra-arterial ophtalmic artery chemotherapy for retinoblastoma in children: 3-years Lausanne experience**
S. Binaghi, J.-B. Zerlauth, P. Mosimann, M. Beck-Popovic, F. Munier; Lausanne
- SS227** **Image quality of low-dose and ultra-low-dose pediatric chest CT examinations with VEO(TM) iterative reconstruction**
F. Miéville¹, L. Berteloot², F. Gudinchet¹, S. Schmidt¹, F. Brunelle², F. Bochud¹, F. R. Verdun¹; ¹Lausanne, ²Paris (FR)
- SS228** **Improvement of image quality in x-ray-imaging of pediatric patients by lowering the tube voltage to 40 kV at fixed effective dose in digital radiography. Simulating radiography of greenstick fractures of pediatric extremities**
J. Gronau¹, U. Neitzel², R. Hess², W. Rainer¹; ¹Bern, ²Hamburg (DE)
- SS229** **Imaging of primary pediatric hepatic tumors: Our experience over the past 10 years**
A. Dhouib-Chargui, M. Anooshiravani-Dumont, L. Merlini, A. Kanavaki, T. Zand, B. Wildhaber, S. Hanquinet; Genève
- SS230** **Imaging and interventional radiology in congenital porto-systemic shunts**
M. Anooshiravani-Dumont, A. Kanavaki, B. Wildhaber, V. McLin, S. Hanquinet, S. Terraz; Genève
- SS231** **Proposed algorithm for follow-up of prenatally detected congenital lung malformations**
L. Alamo, O. Reinberg, F. Gudinchet, Y. Vial; Lausanne

SGR-SSR Congress 2012 **ZURICH**
Friday, June 1, 2012, 12.00 - 13.00
Room A



Bracco Symposium

Gadolinium Safety Update

Chairman

Prof. Dr. med. Georg Bongartz, University Hospital, Basel

Programme

NSF Update

Prof. Dr. med. Johannes Heverhagen, University Hospital "Inselspital", Bern

Low Dose Gadolinium MRA

Prof. Dr. med. Stefan Krämer, Klinikum Esslingen, Esslingen am Neckar (Germany)

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Contest

During the congress please visit the **Bracco booth** (n. 8) and try your luck at the Bracco Contrast Media Contest, you may have a chance to win an Ipad 2*.

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*Contest draw on Saturday, June 2, at 10.00 at the booth



12:00–
13:00

Lunch Symposium

Organized by Bracco Suisse SA



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LS201

Gadolinium Safety Update

Moderator: G. Bongartz, Basel

NSF Update

J. Heverhagen, Bern

Low Dose Gadolinium MRA

S. Krämer, Esslingen am Neckar (DE)

13:00–
13:30

Break / Posters / Technical Exhibition

Plenary Session

13:30–
14:35

Dignitaries and Awards

Moderators: R. Kubik-Huch, Baden; U. Wolfensberger, Horgen

Musical Interlude

Streichtrio der Zürcher Hochschule der Künste

13:30

Opening

PS204

R. Kubik-Huch, Baden; U. Wolfensberger, Horgen

13:40

Board Examination Report

PS205

Th. Frauenfelder, Zürich

13:45

Board Examination Awards

PS206

Th. Frauenfelder, Zürich

13:50

Poster Awards

PS207

S. Schmidt, Lausanne

SGR
SSR

13:55 **Andres Giedion Award (SGPR-SSRP)**
PS208 *G. Eich, Aarau*

14:00 **Jubilee Award (SGR-SSR)**
PS209 *R. Kubik-Huch, Baden*

Musical Interlude
Streichtrio der Zürcher Hochschule der Künste

14:15 **Honorary Corresponding Member**
PS210 *J. Froehlich, Zürich*
Laudatio: R. Kubik-Huch, Baden

14:25 **Awarding of the H.R. Schinz Medal to H. Hricak, New York (US)**
PS211 *Laudatio: R. Kubik-Huch, Baden*

Musical Interlude
Streichtrio der Zürcher Hochschule der Künste

Plenary Session

14:35–
15:00 **H.R. Schinz Lecture**
PS212 **Radiology in the Era of Personalized Medicine**
H. Hricak, New York (US)

15:00–
15:30 Break / Posters / Technical Exhibition

Joint Session SGR-SSR and SGNM-SSMN

SGR
SSR15:30–
17:00**Standespolitik / Défi Professionnel****Kooperationen und Ärztenetzwerke aus Sicht der Radiologie und Nuklearmedizin: Chance oder Bedrohung?**

Moderators: R. Kubik-Huch, Baden; G. K. von Schulthess, Zürich

15:30
PS213**Horizontale und vertikale Integration im Gesundheitswesen**
*W. Oggier, Küsnacht*16:00
PS214**Kooperationen und Umgang mit Ärztenetzwerken:
Beispiel aus der Praxis: Radiologie Luzerner Kantonsspital**
*B. Allgayer, Luzern*16:15
PS215**Kooperationen und Umgang mit Ärztenetzwerken:
Beispiel aus der Praxis: Radiologie Kantonsspital Frauenfeld**
A. von Weymarn, Frauenfeld

16:30

Diskussion / Discussion17:15–
18:30**Mitglieder-Jahresversammlung SGR**
Assemblée annuelle SSR19:30–
23:00**Gesellschaftsabend**
Soirée des Sociétés
Society Evening
(Seite / page 22)

Kongressprogramm Samstag / Programme du Congrès Samedi

SGR
SSR

Time	Room A
	Offizieller Weiter- und Fortbildungskurs der SGR / Cours officiel de formation postgraduée et continue de la SSR Update in Thoracic Imaging Page 55
08:15–09:45	Session 1: Pulmonary Infection Page 55
10:10–11:40	Session 2: Lung Cancer Page 57
11:45–12:45	Lunch Symposium: Cardiac Pacemaker / ICD's and MRI: A Change of a Safety Paradigm Organized by Medtronic (Schweiz) AG Page 57
12:45–13:15	Break / Posters / Technical Exhibition
13:15–14:45	Session 3: Diffuse Lung Disease Page 57
14:45	Closing Remarks and End of Congress

Uhrzeit / Heure

Prog.-Nr. / No du progr.

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Offizieller Weiter- und Fortbildungskurs der SGR* Cours officiel de formation postgraduée et continue de la SSR*

Update in Thoracic Imaging

08:15– Session 1: Pulmonary Infection

09:45

Moderator: Th. Frauenfelder, Zürich

08:15 **Pneumonia in the Immuncompromised Host**

RC301

*N. Howarth, Genève*08:45 **Tuberculosis Manifestations in the Chest**

RC302

*J. Roos, Winterthur*09:15 **Community Acquired Pneumonia**

RC303

X. Montet, Genève

10:10– Session 2: Lung Cancer

11:40

Moderator: G. Goerres, Solothurn

10:10 **New TNM Classification of Lung Cancer**

RC304

*P. Vock, Bern*10:40 **Low Dose CT Screening in a Risk Population:**

RC305

The National Lung Screening Trial*J. Biederer, Kiel (DE)*11:10 **PET/CT in Staging Lung Cancer**

RC306

H. Steinert, Zürich

* Separate Attestierung / Attestation séparée
6 Punkte Kategorie 1 / 6 points en catégorie 1



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11:45–
12:45**Lunch Symposium**

Organized by Medtronic (Schweiz) AG



LS301

**Cardiac Pacemaker / ICD's and MRI:
A Change of a Safety Paradigm**

Moderator: D. Weishaupt, Zürich

Chairman's Introduction*D. Weishaupt, Zürich***Cardiac Pacemaker and ICD's: Safety Revisited***R. Luechinger, Zürich***Patients with Cardiac Pacemakers Referred for MR Imaging:
How to Handle?***J. Bremerich, Basel***Panel Discussion**12:45–
13:15

Break / Posters / Technical Exhibition

13:15–
14:45**Session 3: Diffuse Lung Disease**

Moderator: P. Vock, Bern

13:15
RC307**From Pattern Recognition to Diagnosis***C. Beigelmann-Aubry, Lausanne*13:45
RC308**Idiopathic Interstitial Pneumonia, New Guidelines
and Management***J. Bremerich, Basel*14:15
RC309**Airway Disease***S. Desai, London (UK)*

14:45

Closing Remarks and End of Congress

Abdominal and Pelvic Imaging

- P001** **Diagnostic performance of a non-contrast enhanced magnetic resonance imaging protocol for potential living related kidney donors**
R. P. Götti, S. Baumüller, H. Alkadhi, T. Pfammatter, R. Hunziker, G. D. Puippe; Zürich
- P002** **Dual-energy computed tomography for characterization of the incidental adrenal mass**
R. Gnann, M. Fischer, R. Goetti, C. A. Karlo, S. Leschka, H. Alkadhi; Zürich
- P003** **Optimizing the hepatic arterial phase during multiphasic multidetector CT of the liver by using splenic enhancement**
D. B. Husarik¹, D. Marin², R. C. Nelson²; ¹Zürich, ²Durham (US)
- P004** **Gadoxetate-disodium enhanced MR imaging of the liver: Diagnostic accuracy for detection of vascular anatomic variants**
D. B. Husarik¹, R. T. Gupta², D. T. Boll², S. Agonafer², E. Merkle²; ¹Zürich, ²Durham (US)
- P005** **Dual-energy CT for characterization of adrenal adenomas: Are we ready to eliminate the true non-enhanced image series?**
D. Botsikas, F. Triponez, P. Meyer, C. Becker, X. Montet; Genève
- P006** **Histopathological correlates of computed tomography perfusion imaging in renal cell carcinoma: Systematic evaluation**
C. S. Reiner¹, T. Thiesler¹, D. Eberli¹, E. Klotz², T. Frauenfelder¹, T. Sulser¹, H. Moch¹, H. Alkadhi¹, ¹Zürich, ²Forchheim (DE)
- P007** **Dual-gradient-echo liver MRI: Three- versus two-dimensional imaging**
M. Fischer, O. F. Donati, N. Chuck, I. Blume, R. Hunziker, D. Nanz; Zürich
- P008** **Evaluation of the anti-peristaltic effect of glucagon and hyoscine on the small bowel: Comparison of intravenous and intramuscular drug administration**
A. Gutzeit¹, C. A. Binkert², C. von Weyarn³, M. A. Patak¹, N. Graf¹, J. Froehlich²; ¹Zürich, ²Winterthur, ³Basel
- P009** **"Drug mules" as a radiological challenge**
P. M. Flach¹, S. Ross², G. Ampanozi¹, L. C. Ebert¹, T. Germerott³, G. M. Hatch², M. Thali¹, M. A. Patak¹, ¹Zürich, ²Bern, ³Hannover (DE)

PO10 **Detection of ingested cocaine-filled packets: Comparison of filtered back projection CT with adaptative statistical iterative reconstructed images**
J. Rey, J.-Y. Meuwly, A.-S. Knoepfli, V. Mino, R. Meuli, F. R. Verdun, S. Schmidt; Lausanne

PO11 **Dual energy CT for detection and characterization of urothelial tumors: A preliminary study**
C. Hansen, D. Botsikas, C. Becker, X. Montet; Genève

PO12 **Alveolar echinococcosis of the liver: Diffusion-weighted MR imaging findings**
A. Pomoni¹, S. Schmidt², E. Uldry², N. Halkic², A. Denys², R. Meuli², F. Becce²; ¹Pully, ²Lausanne

Neuroradiology, Chest and Breast

PO13 **Impact of slice thickness of RGB color maps on diagnostic accuracy of CT-perfusion for the detection of acute stroke**
C. Nern, F. J. Ahlhelm, A. Fischmann, C. Stippich, S. Ulmer; Basel

PO14 **Field dependence of the R2*-response of the cortical gray matter to hyperoxic respiratory challenge**
C. Rossi, A. Boss, O. F. Donati, R. Luechinger, S. Kollias, A. Valavanis, J. Hodler, D. Nanz; Zürich

PO15 **Ischemic stroke of the artery of Percheron: Spectrum of imaging findings on MDCT and MRI**
A. Anaye, M. O. Treyvaud, A.-L. Saverot, A.-S. Knoepfli, P. Hagmann, R. Meuli, P. Maeder; Lausanne

PO16 **Imaging lesions of the cavernous sinus**
A. M. Korchi, V. Cuvinciuc, J. Caetano, M. Becker, K. Loevblad, M.-I. Vargas; Genève

PO17 **Imaging features of extranodal lymphoma originating in the head and neck**
L. Avril, R. Kohler, S. Patsoura, K. Masterson, V. Greloz, M. Becker; Genève

- PO18** **Contrast-enhanced CT of the neck at 70 kVp:
Dose reduction with maintained image quality**
*R. Gnann¹, A. Winklehner¹, R. Goetti¹, B. Schmidt², T. Frauenfelder¹,
H. Alkadhi¹, ¹Zürich, ²Forchheim (DE)*
- PO19** **How reliable is ultrasound for the detection of salivary gland calculi?**
S. Patsoura, R. Kohler, S. Bouayed, M. Becker; Genève
- PO20** **Diagnostic performance of ultrasound guided fine needle aspiration
cytology in the assessment of major salivary gland masses:
A retrospective analysis**
R. Kohler, K. Masterson, J.-C. Pache, P. Dulguerov, M. Becker; Genève
- PO21** **Could unenhanced cerebral CT examination be used for the initial
screening of patients with acute non-traumatic headache?
A feasibility study**
*A. Platon¹, B. Rizk², K. Loevblad¹, C. Becker¹, P.-A. Poletti¹,
¹Genève, ²Poitiers (FR)*
- PO22** **Gunshots to the head: Characteristics on post-mortem CT**
G. Ampanozi, T. D. Ruder, L. C. Ebert, M. Thali, P. M. Flach; Zürich
- PO23** **Sinogram-affirmed iterative reconstruction:
Observations in low dose CT of the lung**
*S. Baumüller¹, A. Winklehner¹, C. A. Karlo¹, R. P. Götti¹, T. Flohr², G. D. Puippe¹,
E. W. Russi¹, T. Frauenfelder¹, H. Alkadhi¹; ¹Zürich, ²Forchheim (DE)*
- PO24** **Value of CT angiography in pretherapy assessment of hemoptysis
to guide transcatheter hemostatic embolization**
*S. Richter Sgourdos, G. Sgourdos, S. D. Qanadli, R. Meuli,
C. Beigelman-Aubry; Lausanne*
- PO25** **Novel 3D diagnostic imaging technology for small breast lesions via
ultrasound tomography**
*V. Marmarelis¹, M. Sofras², D. Koulocheri³, P. Liakou³, S. Hadjiagapis²,
G. Zografos³; ¹Los Angeles (US), ²Voula, ³Athens (GR)*
- PO26** **Breast-conserving surgery for non-palpable breast cancer: Rela-
tionship of lumpectomy resection margins measurements between
remote perioperative ultrasound and postoperative histopathology**
*C. Lutchmaya-Flick, F. Becce, L. Alamo, J.-F. Delaloye, R. Meuli,
J.-Y. Meuwly; Lausanne*

Cardiovascular Imaging

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- PO27** **Evaluation of contrast injection protocols for thoraco-abdominal high-pitch dual-source CT angiography – A phantom study**
G. D. Puippe, A. Winklehner, A. Plass, T. Frauenfelder, H. Alkadhi, S. Baumüller; Zürich
- PO28** **The napkin-ring sign in coronary CT angiography indicates advanced atherosclerotic lesions with large necrotic core**
P. Maurovich-Horvat¹, U. Hoffmann¹, C. Schlett¹, M. Kriegel¹, M. Nakano², P. Stolzmann³, R. Virmani², H. Alkadhi³; ¹Boston (US), ²Gaithersburg (US), ³Zürich
- PO29** **Adenosine-stress high-pitch dual-source myocardial perfusion CT for detection of reversible myocardial ischemia: Comparison with MRI**
R. P. Götti¹, G. Feuchtnner¹, O. F. Donati¹, P. Stolzmann¹, S. Leschka², H. Alkadhi¹; ¹Zürich, ²St. Gallen
- PO30** **A 3D multi level adaptive compression approach for CT angiography**
C. Nakajo¹, M. Firoozbakht², J. Dehmshki², R. Meuli¹, S. D. Qanadli¹; ¹Lausanne, ²London (UK)
- PO31** **CT-derived pericardial fat volume: Influence of scanning protocol and reproducibility of measurements**
L. D'Errico¹, F. Salituri², M. Ciardetti², R. Favilla², M. Schlueter², M. Cocceani², M. Bianchi², A. Mazzarisi², L. Faggioni², G. Coppini², P. Marraccini²; ¹Basel, ²Pisa (IT)
- PO32** **MRI (T2*) for non-invasive measurement of myocardial and hepatic iron overload: Comparison of bright- and black-blood sequences**
A. Rosskopf, M. Ith, P. Keller, D. Ott, H. Hoppe; Bern
- PO33** **Evaluation of different CT protocols for planning of minimally invasive valve surgery**
F. Glaser-Gallion¹, L. Desbiolles¹, N. S. Glaser-Gallion¹, P. Stolzmann², A. Plass², S. Wildermuth¹, H. Alkadhi², S. Leschka¹; ¹St. Gallen, ²Zürich

Ethics and Economics

- PO34** **Emergency CT: What is missed at first reading?**
A. Platon, G. Varnay, C. Becker, P.-A. Poletti; Genève
- PO35** **Teleradiology in Switzerland – What do we need to make it work?**
A. Meier, S. Faulhaber, C. W. A. Pfirrmann; Zürich

Forensic Imaging

- PO36** **Assessment of coronary artery disease by post-mortem cardiac MR**
*T. D. Ruder¹, R. Bauer², G. Ampanozi¹, A. Roskopf², T. Pilgrim², O. Weber³,
M. Thali¹, G. M. Hatch²; ¹Zürich, ²Bern, ³Basel*
- PO37** **CT-guided minimally invasive post-mortem needle biopsy using the B-Rob II needle positioning robot**
*R. M. Martinez¹, W. Schweitzer¹, W. Ptacek², M. Thali¹, L. Ebert¹,
¹Zürich, ²Wiener Neustadt (AT)*
- PO38** **Feasibility of post-mortem CT-angiography – yes we (s)can!**
*P. Steinmann, C. Schulze, N. Schwendener, S. Franckenberg, G. Ampanozi,
M. Thali; Zürich*
- PO39** **Simple left ventricular area measurement allows for accurately estimating heart weight at autopsy**
*T. D. Ruder¹, G. M. Hatch², J. Thali², M. Thali¹, H. Alkadhi¹, G. Ampanozi¹,
P. Stolzmann¹, ¹Zürich, ²Bern*
- PO40** **Forensic imaging – Automatic classification of post-mortem lung CT findings**
W. Schweitzer, M. Thali, T. D. Ruder; Zürich
- PO41** **Forensic imaging: 3D visualization of scattered CT-dense particles contained in the skin**
W. Schweitzer, M. Thali, T. D. Ruder; Zürich
- PO42** **Forensic Radiology: Non-invasive matching of injuries and suspected weapons in virtual autopsy cases**
*J. Fornaro, S. Leschka, N. S. Glaser-Gallion, F. Glaser-Gallion, P. Laberke,
R. Hausmann, S. Wildermuth, D. Eisenhart; St. Gallen*

- PO43** **Post-mortem imaging of the mandible and maxilla:
Artifact reduction after dentistry by dual-energy computed
tomography using monoenergetic extrapolation**
P. Stolzmann, H. Alkadhi, N. Schwendener, M. Thali, T. D. Ruder; Zürich
- PO44** **Post-mortem CT and CT angiography of cranial and spinal injuries
in victims of motor vehicle accidents**
S. Binaghi, J.-B. Zerlauth, F. Doenz, P. Mangin, S. Grabherr; Lausanne
- PO45** **Post-mortem CT-angiography of the craniocervical junction**
*P. M. Flach¹, G. Ampanozi¹, C. O'donnell², T. Germerott³, M. Thali¹,
L. C. Ebert¹, S. Ross⁴; ¹Zürich, ²Southbank (AU), ³Hannover (DE), ⁴Bern*
- PO46** **Whole body post-mortem magnetic resonance angiography**
*T. D. Ruder¹, G. M. Hatch², L. C. Ebert¹, P. M. Flach², S. Ross², G. Ampanozi¹,
M. Thali¹, ¹Zürich, ²Bern*

Interventions and Physics

- PO47** **Targeted percutaneous cryoablation therapy: How should I do?**
A. Pomoni¹, R. Duran², A. Denys², P. Bize²; ¹Pully, ²Lausanne
- PO48** **Concordance of morphological and functional response in follow-up
imaging after Yttrium-90 liver transarterial radioembolization.**
Y. Lachenal, P. Bize, A. Boubaker, N. Cherbuin, J. Prior, A. Denys; Lausanne
- PO49** **Complications of totally implantable venous access ports –
Imaging findings**
C. Hansen, R. Breguet, C. Becker, D. Didier, S. Terraz; Genève
- PO50** **Towards reducing the cumulative dose from repetitive CT in patients
with testicular cancer: Value of automated tube potential selection**
*R. Gnannt, A. Winklehner, D. Eberli, A. Knuth, T. Frauenfelder, H. Alkadhi;
Zürich*

Musculoskeletal Imaging

- P051** **Peripheral lower limb entheses in ankylosing spondylitis: Correlation between clinical, radiographic and ultrasonographic scores**
M. Chelli Bouaziz¹, M. F. Ladeb¹, W. Hamdi², M. M. Ghannouchi², M. M. Kchir²; ¹Ksar Said (TN), ²Tunis (TN)
- P052** **Emergency CT and MRI in acute thoracolumbar spine trauma**
M. Thekkumthala-Sommer, S. Winklhofer, G. Andreisek, H. Alkadhi, D. Schmidt; Zürich
- P053** **Three different cases of humeral shaft fracture during police arrest: Biomechanical aspects and reconstruction of the events**
S. Franckenberg; Zürich
- P054** **New procedure in the treatment of spinal traumatic fracture type Magerl A: Implementation of spine jack system, an early evaluation**
R. Marlois¹, P. Browaeys², N. Amoretti³, N. Theumann²; ¹Les Cullayes, ²Lausanne, ³Nice (FR)
- P055** **Reduction of metal artifacts at MR imaging with slice encoding metal artifact correction (SEMAC) and view-angle tilting (VAT) in patients with total hip arthroplasty: Performance of STIR and T1-weighted sequences**
R. Sutter¹, E. J. Ulbrich¹, V. Jellus², M. Nittka², C. W. A. Pfirrmann¹, ¹Zürich, ²Erlangen (DE)
- P056** **High-resolution 3T MRI of nail disorders: How to do it and what to look for?**
E. Paulin, A. Syrogiannopoulou, D. Tchernin, D. Arditi, R. Kohler, X.-C. Pham, M. Becker; Genève (CH)
- P057** **Noninvasive evaluation of atherosclerosis risk in patients with ankylosing spondylitis (AS)**
M. Chelli Bouaziz¹, M. F. Ladeb², W. Hamdi¹, M. M. Ghannouchi¹, M. M. Kchir¹, ¹Tunis (TN), ²Ksar Said (TN)

Pediatric Radiology

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- PO58** **Imaging of skeletal complications in children treated for cancer**
E. Tenisch, F. Gudinchet, M. Beck-Popovic, L. Alamo; Lausanne
- PO59** **Pseudomass of the aorta: A common mirror artifact in children**
T. Dobrocky, E. Stranzinger, R. Wolf; Bern
- PO60** **Fetal MRI on detection of abdominal masses**
S. Archontaki, C. Lutchmaya-Flick, F. Gudinchet, L. Alamo; Lausanne



EIZO RadiForce RX840: 8 Megapixel für Monochrom und Farbe



Der EIZO RadiForce RX840, ist ein 36.4-Zoll Super-High-Resolution Befundmonitor, der gleichzeitig sowohl Farb- als auch Monochrom-Bilder mit deren eigenen Gamma-Kurven darstellen kann.

Dank seiner hohen Auflösung von 8 Megapixel, kann dieser Monitor soviel Bildinformationen darstellen wie zwei 4-Megapixel-Displays – jedoch ohne störende Gehäuserahmen in der Mitte.

EIZOs einzigartige Hybrid-Gamma-Funktion erkennt automatisch, ob die darzustellenden Bilder schwarz- Weiss oder farbig sind und dies sogar innerhalb der gleichen Anwendung. Damit werden monochrome Bilder im DICOM Part 14-Profil und Farbbilder mit Gamma 2.2 dargestellt. Dies ist perfekt für PACS-Lösungen, weil so gewährleistet ist, dass Farb- und Monochrom-Aufnahmen optimal dargestellt werden.

Die langlebige LED-Hintergrundbeleuchtung und eine 5 Jahres Garantie sichern die Investition langfristig. Damit ist der RX840 der perfekte Befund-Monitor für die Darstellung von 3D-Renderings, Fusion-Farbbildern sowie CT und MRI Monochrom-Bildern.

Die Highlights dieses Monitors sind:

- ♦ 8 MP, 4096 x 2160 Pixel Auflösung
- ♦ Einzigartige Hybrid-Gamma-Funktion
- ♦ Höchste Blickwinkel-Stabilität bis zu 178°
- ♦ Automatische Steuerung der Leuchtdichte-verteilung (Digital Uniformity Equalizer)
- ♦ Integrierter Front-Sensor ermöglicht die Selbstkalibration nach DICOM Part 14-Standard
- ♦ Je 2x DVI-D Dual-Link- und DisplayPort-Anschlüsse

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